Abstract

Web hierarchy can be utilized for setting up an effective referral service among trusted parties such that an alternative path for web service can be made available, even when the target or destination server is under DDoS attacks. In our proposed referral service, we are employing a third party server for protecting a hierarchy of websites from DDoS attacks. The security architecture is designed in such a way that the clients referred from source to destination server using the proposed methodology are properly evaluated using a socially based trust system and source server specifies the privilege level of the referred clients to destination server using a Persistent Referral Service architecture. Our method thwarts attack attempts by compromised
source servers and malicious referred clients towards target servers. We also show that our system can be extended for handling phishing attacks. For that the financial or banking websites should implement this referral service.

References

Index Terms

Computer Science

Hpc Applications

Keywords

Denial Of Service  Referral  web Sitegraph  web Services Architecture  Phishing